

Results-driven radiology for improved outcomes mPower Clinical Analytics

Harnessing NLP and cloud technology for data-driven competitive advantage.

Nuance® mPower™ Clinical Analytics unlocks actionable information that maximizes productivity and facilitates the transition to value-based imaging. Data alone can't achieve this; you need powerful tools to extract, aggregate, analyze, and report on the data.

Challenges

1. Monitor and improve clinical quality
2. Analyze patient outcomes
3. Assure patient safety
4. Optimize productivity
5. Report on outcomes measures

Solutions

– Enterprise search

Proprietary search and natural language processing (NLP) accelerate access to detailed, actionable information in radiology reports and other clinical data sources.

– Quality analytics

Easy-to-use tools enable radiology practices to profile and validate performance and clinical outcomes, and affirm radiologists' value in the care continuum.

– Business analytics

Detailed reports uniquely support radiology practices in optimizing and refining business processes and improving operational efficiency.

– Findings analytics

NLP-driven algorithms allow size-based measurement extraction and tracking to facilitate outcomes reporting and quality improvement.

Insights, not just data

mPower Clinical Analytics takes the unstructured radiology report narrative and uses powerful NLP to provide valuable insight. mPower's interactive approach instantly provides easy-to-understand, detailed, and actionable information that eliminates the time-consuming, iterative process typical of data analysis, and provides you with an unmatched look at your institution's quality and productivity.

Power in the cloud

mPower's new cloud-hosted platform provides advanced features and tools to further support your analytics efforts. These capabilities give you the data and understanding you need to deliver results-driven radiology services and optimal patient care.

Outcomes

Success in the era of value-based care requires radiology to contribute to improved patient outcomes. By applying robust analytics you can drive key outcomes like the following:

– Monitor and close the loop on follow-up recommendations

Using proprietary NLP, mPower Clinical Analytics automatically extracts follow-up recommendations from reports and identifies overdue examinations to avoid adverse outcomes and to reduce medicolegal risk. Users can now easily communicate follow-up recommendations through PowerScribe 360 Critical Results.



Reduce length of stay



Improve compliance



Increase revenues



Decrease errors and medicolegal risk



Evaluate outcomes and quality



Optimize productivity and efficiency



Improve follow-up consistency and compliance

“NLP search technology can double or triple the positive impact of recommendation tracking systems when used in conjunction with radiologist-initiated entry. Adding this technology is projected to add over \$150,000 in new technical revenue in the coming year.”

Ben Wandtke, MD, MS, Chief of Diagnostic Imaging, FF Thompson Hospital
Associate Professor, Department of Imaging Sciences, University of Rochester Medical Center

– Reduce length of stay

By tracking inpatient recommendations and facilitating care coordination, mPower Clinical Analytics has helped decrease length of stay up to three days for patients needing interventional procedures.

– Reduce inappropriate imaging

mPower Clinical Analytics can help identify outliers, guide quality improvement efforts, and reduce unnecessary ordering.

– Increase practice profitability

mPower helps practice managers develop an operationally efficient organization that profitably delivers effective clinical care.

Mobilize for success with advanced analytics

- Extract specific measurements easily from narrative text to drive clinical and quality improvements.
- Identify variability in follow-up recommendations to reduce over- and under-recommendations for improved utilization and care delivery.
- Analyze multiple variables simultaneously, build custom graphs, and display cumulative data with ease.

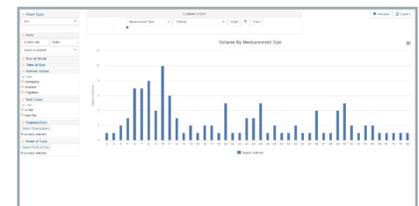
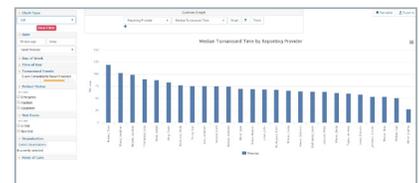
– Harness the power of sophisticated quality control algorithms to optimize clinical and financial performance, including:

- Laterality and sex mismatch
- Ultrasound code mismatch
- Critical results and notification documentation
- Follow-up detection with auto-closure
- MIPS compliance

Benefits of mPower cloud platform

Nuance’s premier clinical analytics solution now harnesses the secure and robust technology of Microsoft® Azure™, Nuance’s cloud computing partner. Advantages of a cloud-hosted environment include:

- Faster innovation delivery and easier upgrades to minimize service disruptions
- Enhanced security with industry-leading cloud platform technology
- Reduced total cost of ownership with smaller IT footprint and reduced maintenance burden



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